Contents

VOLUME 34 NUMBER 1

1 *K. Hall and J. A. Kavanagh.* Light and scanning electron microscope studies of leaf blotch of onion caused by *Cladosporium allii-cepae*

5 *A. Bainbridge, B. D. L. Fitt, N. F. Creighton and G. R. Cayley.* Use of fungicides to control chocolate spot (*Botrytis fabae*) on winter field beans (*Vicia faba*)

11 *R. I. B. Francki and R. Miles.* Mechanical transmission of sowbane mosaic virus carried on pollen from infected plants

20 *B. Boag and P. B. Topham.* The use of associations of nematode species to aid the detection of small numbers of virus-vector nematodes

25 *Alison Stewart and J. W. Mansfield.* The composition of wall alterations and appositions (reaction material) and their role in the resistance of onion bulb scale epidermis to colonization by *Botrytis allii*

38 *C. A. Cornford and D. Pitt.* The nature of virulence in isolates of *Bremia lactucae* from South Devon

41 *S. C. Gregory.* The use of potato tubers in pathogenicity studies of *Armillaria* isolates

49 *Martin J. Barbetti.* Survey of fungi associated with subterranean clover leaves and petioles in Western Australia

54 *J. G. Turner and R. M. Hoffman.* Effect of the polygalacturonase inhibitor from pea on the hydrolysis of pea cell walls by the endopolygalacturonase from *Ascochyta pisi*

61 *Fiona L. Hughes and F. H. J. Rijkenberg.* Scanning electron microscopy of early infection in the uredial stage of *Puccinia sorghi* in *Zea mays*

69 *O. Yarden, J. Katan and N. Aharonson.* A rapid bioassay for the determination of carbendazim residues in soil

75 *N. Osman-Ghani and J. G. Manners.* Components of partial resistance to *Puccinia striiformis* in barley

83 *M. G. Cromey and A. L. J. Cole.* Cytology of the host-pathogen interactions between *Lolium perenne* and *Drechslera dictyoides*

95 *M.-L. Edwards, J. I. Cooper, P. R. Massalski and B. Green.* Some properties of a virus-like agent found in *Brachypodium sylvaticum* in the United Kingdom

105 *A. G. Whitehead.* The potential value of British wild *Solanum* spp. as trap crops for potato cyst-nematodes, *Globodera rostochiensis* and *G. pallida*

108 *I. J. Porter and P. R. Merriman.* Evaluation of soil solarization for control of root diseases of row crops in Victoria

119 *John M. Clarkson and J. B. Heale.* Pathogenicity and colonization studies on wild-type and auxotrophic isolates of *Verticillium albo-atrum* from hop

129 *John M. Clarkson and J. B. Heale.* Heterokaryon compatibility and genetic recombination within a host plant between hop wilt isolates of *Verticillium albo-atrum*

139 *Carmen Nieves-Brun.* Infection of roots of *Dieffenbachia maculata* by the foliar blight and soft rot pathogen, *Erwinia chrysanthemi*

146 *Y. Strashnow, Y. Elad, A. Sivan and I. Chet.* Integrated control of *Rhizoctonia solani* by methyl bromide and *Trichoderma harzianum*

152 Book reviews

VOLUME 34 NUMBER 2

159 *G. C. MacNish and Susan Lewis.* Methods of measuring rhizoctonia patch of cereals in Western Australia

165 *G. C. MacNish.* Mapping rhizoctonia patch in consecutive cereal crops in Western Australia

175 *G. C. MacNish.* Methods of reducing rhizoctonia patch of cereals in Western Australia

182 *R. A. C. Jones.* Further studies on resistance-breaking strains of potato virus X

190 *A. Lam.* Effect of fungal pathogens on digestibility and chemical composition of Italian ryegrass (*Lolium multiflorum*) and tall fescue (*Festuca arundinacea*)

200 *V. W. L. Jordan, G. R. Best and E. C. Allen.* Effects of *Pyrenophora teres* on dry matter production and yield components of winter barley

207 *G. M. Kairu, C. M. S. Nyangena and J. E. Crosse.* The effect of copper sprays on bacterial blight and coffee berry disease in Kenya

214 *S. J. I. Holmes.* Barley yellow dwarf virus in ryegrass and its detection by ELISA

221 *Patricia Ahl, S. Gianinazzi, Regine Samson and A. Benjama.* Cultivar dependence of polyacrylic acid effects on *Pseudomonas syringae* in *Nicotiana tabacum*

228 *L. J. Penrose, W. Koffman and M. R. Nicholls.* Field occurrence of vinclozolin resistance in *Monilinia fructicola*

235 *A. C. Newton, C. E. Caten and R. Johnson.* Variation for isozymes and double-stranded RNA among isolates of *Puccinia striiformis* and two other cereal rusts

248 *D. L. S. Wimalajeewa and J. D. Flett.* A study of populations of *Pseudomonas syringae* pv. *syringae* on stonefruits in Victoria

255 *D. A. C. Pink and C. N. Law.* The effect of homoeologous group 7 chromosomes upon adult plant resistance of wheat to yellow rust (*Puccinia striiformis*)

263 *A. J. McGregor and J. G. Manners.* The effect of temperature and light intensity on growth and sporulation of *Puccinia striiformis* on wheat

272 *J. E. King and M. J. Griffin.* Survey of benomyl resistance in *Pseudocercosporella herpotrichoides* on winter wheat and barley in England and Wales in 1983

284 *D. H. Lapwood and P. J. Read.* A simplified slice method for assessing tuber susceptibility of potato cultivars to *Erwinia carotovora* subsp. *atroseptica*

287 *E. S. Scott.* Production and characterization of single-spore isolates of *Plasmodiophora brassicae*

293 *A. C. Pappas.* Metalaxyl resistance in *Phytophthora infestans* on greenhouse tomatoes in Greece

New or unusual records

297 *P. A. Gill.* Lateral bud necrosis in the black currant (*Ribes nigrum* L.)

300 *F. J. B. Reifschneider and P. T. Della Vecchia.* Thiabendazole as an iatrogenic agent in carrot black rot

302 *N. G. Nair and Frances E. Parker.* Midseason bunch rot of grapes: an unusual disease phenomenon in the Hunter Valley, Australia

306 *C. N. Bastos and H. C. Evans.* A new pathotype of *Crinipellis perniciosa* (witches' broom disease) on solanaceous hosts

313 Book reviews

VOLUME 34 NUMBER 3

319 *H. M. Rocha and B. E. J. Wheeler.* Factors influencing the production of basidiocarps and the deposition and germination of basidiospores of *Crinipellis perniciosa*, the causal fungus of witches' broom on cocoa (*Theobroma cacao*)

329 *Pamela L. Newman.* Variation amongst isozymes of *Rhynchosporium secalis*

338 *Pamela L. Newman and H. Owen.* Evidence of asexual recombination in *Rhynchosporium secalis*

341 *G. Lockwood, G. J. Jellis and R. G. Aubury.* Genotypic influences on the incidence of infection by *Aschochyta fabae* in winter-hardy faba beans (*Vicia faba*)

347 *G. J. Jellis, G. Lockwood and R. G. Aubury.* Phenotypic influences on the incidence of infection by *Ascochyta fabae* in spring varieties of faba beans (*Vicia faba*)

353 *John L. Gay, Marion Martin and Elizabeth Ball.* The impermeability of powdery mildew conidia and their germination in arid environments

363 *Hideo Ishii, Hideo Udagawa, Haruo Yanase and Akira Yamaguchi.* Resistance of *Venturia nashicola* to thiophanate methyl and benomyl: build-up and decline of resistance in the field

369 *T. W. Hollins, P. R. Scott and J. R. Paine.* Morphology, benomyl resistance and pathogenicity to wheat and rye of isolates of *Pseudocercosporella herpotrichoides*

380 *J. R. Coley-Smith.* Methods for the production and use of sclerotia of *Sclerotium cepivorum* in field germination studies

385 *F. M. Humpherson-Jones. The incidence of Alternaria* spp. and *Leptosphaeria maculans* in commercial brassica seed in the United Kingdom

391 *Julita S. Imperial, Rosemarie M. Bautista and John W. Randles.* Transmission of the coconut cadang-cadang viroid to six species of palm by inoculation with nucleic acid extracts

402 *Clarence Madhosingh and Winson Orr.* Zearalenone production in *Fusarium culmorum* after transformation with DNA of *F. graminearum*

408 *R. M. Davies and J. B. Heale. Botrytis cinerea* in stored cabbage: the use of germ-tube growth on leaf discs as an indicator of potential head rot

415 *A. Zazzerini and L. Tosi.* Antagonistic activity of fungi isolated from sclerotia of *Sclerotinia sclerotiorum*

422 *A. H. Presly.* Studies on *Botrytis* spp. occurring on onions (*Allium cepa*) and leeks (*Allium porrum*)

428 *N. Ioannou.* Yellow leaf curl and other virus diseases of tomato in Cyprus

435 *R. B. Maude and Judith M. Bambridge.* Effects of seed treatments and storage on the incidence of *Phoma betae* and the viability of infected red beet seeds

New or unusual records

438 *N. E. Malathrakis.* Tomato crown and root rot caused by *Fusarium oxysporum* f. sp. *radicis-lycopersici* in Greece

440 *Sue Phillips and A. A. Brunt.* Occurrence of cucumber mosaic virus and asparagus virus II in asparagus (*Asparagus officinalis* L. var. *officinalis*) in Britain

443 *J. T. Fletcher and Karen L. Lord.* A stem rot of tomato caused by *Fusarium merismoides*

446 *A. R. Chase.* Bacterial leaf spot of *Codiaeum variegatum* cultivars caused by *Xanthomonas campestris* pv. *poinsettiicola*

449 *N. Q. R. Nathaniels. Phoma valerianellae* on corn salad

451 *J. V. da Graça, T. N. Trench and M. M. Martin.* Tomato spotted wilt virus in commercial Cape gooseberry (*Physalis peruviana*) in Transkei

454 Book reviews

462 Corrigendum

VOLUME 34 NUMBER 4

463 *W. J. Byford.* A comparison of fungicide seed treatments to improve sugar beet seedling establishment

467 *Jane R. Moran, Jenny M. Wilson, R. G. Garrett and P. R. Smith.* ELISA indexing of commercial carnations for carnation mottle virus using a urease-antibody conjugate

472 *S. A. Hill and Sarah Blunt.* Detection of two viruses infecting *Narcissus* by enzyme-linked immunosorbent assay

477 *S. Woodward and R. B. Pearce.* Methods for visualizing hyaline fungi for the detection of antifungal compounds on thin-layer chromatograms

481 *Judith M. Norwood and I. R. Crute.* Further characterization of field resistance in lettuce to *Bremia lactucae* (downy mildew)

487 *Chris P. A. Bennett, Peter Hunt and Ariful Asman.* Association of a xylem-limited bacterium with Sumatra disease of cloves in Indonesia

495 *Peter Hunt, Chris P. A. Bennett and Ariful Asman.* Suppression of Sumatra disease symptoms in cloves treated with antibiotics

502 *R. W. Polley.* The relationship between brown and corky root rot caused by *Pyrenochaeta lycopersici* and yield loss in tomatoes established by the use of artificially infested soils

510 *Vivienne M. Anthony, R. C. Shattock and B. Williamson.* Life-history of *Phragmidium rubi-idaei* on red raspberry in the United Kingdom

521 *Vivienne M. Anthony, R. C. Shattock and B. Williamson.* Interaction of red raspberry cultivars with isolates of *Phragmidium rubi-idaei*

528 *R. S. Lutchmeah and R. C. Cooke.* Pelleting of seed with the antagonist *Pythium oligandrum* for biological control of damping-off

532 *P. L. Guy and A. J. Gibbs.* Further studies on turnip yellow mosaic tymovirus isolates from an endemic Australian *Cardamine*

545 *D. G. A. Walkey, C. M. Ward and Kathleen Phelps.* Studies on lettuce mosaic virus resistance in commercial lettuce cultivars

552 *D. S. Shaw, A. M. Fyfe, P. G. Hibberd and M. A. Abdel-Sattar.* Occurrence of the rare A2 mating type of *Phytophthora infestans* on imported Egyptian potatoes and the production of sexual progeny with A1 mating types from the UK

557 *Kim E. Hammond, B. G. Lewis and T. M. Musa.* A systemic pathway in the infection of oilseed rape plants by *Leptosphaeria maculans*

566 *M. W. Sutton and S. J. Wale.* The control of *Penicillium corymbiferum* on crocus and its effect on corm production

571 *J. A. Lewis and G. C. Papavizas.* Characteristics of alginate pellets formulated with *Trichoderma* and *Gliocladium* and their effect on the proliferation of the fungi in soil

578 *P. R. Scott, P. W. Benedikz, H. G. Jones and M. A. Ford.* Some effects of canopy structure and microclimate on infection of tall and short wheats by *Septoria nodorum*

594 *Charles G. Shaw III. In vitro* responses of different *Armillaria* taxa to gallic acid, tannic acid and ethanol

603 *C. Prior.* Cocoa quarantine: measures to prevent the spread of vascular-streak dieback in planting material

609 *S. A. Rudgard and B. E. J. Wheeler.* Relationships between establishment of *Erysiphe cruciferarum* and soluble amino-acids in leaves of Brussels sprouts

616 *S. A. Rudgard and B. E. J. Wheeler.* The development of *Erysiphe cruciferarum* on field-grown Brussels sprouts and associated changes in soluble amino-acids in foliage leaves

New or unusual records

626 *J. A. T. Woodford.* Cutworm damage to raspberry and black currant in Scotland

629 *V. H. Knight.* A new indicator for gooseberry vein banding virus

632 *T. M. O'Neill. Mycocentrospora acerina* causing leaf spot and dieback of anemone seedlings

636 *J. M. Teri and M. E. R. Sijaona.* Tannia leaf spot in Tanzania

638 *A. S. Alivizatos.* Bacterial wilt of tomato in Greece caused by *Erwinia chrysanthemi*

640 Book reviews